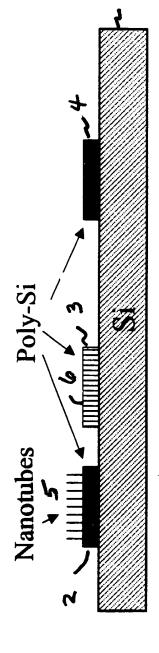
MEMS Based On-Chip Microwave Amplifiers

(a) Nanotube growth before releasing



(b) After releasing and locking - microwave triode design

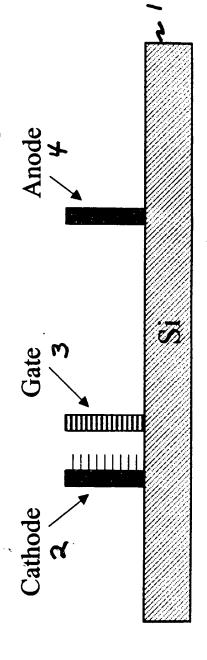
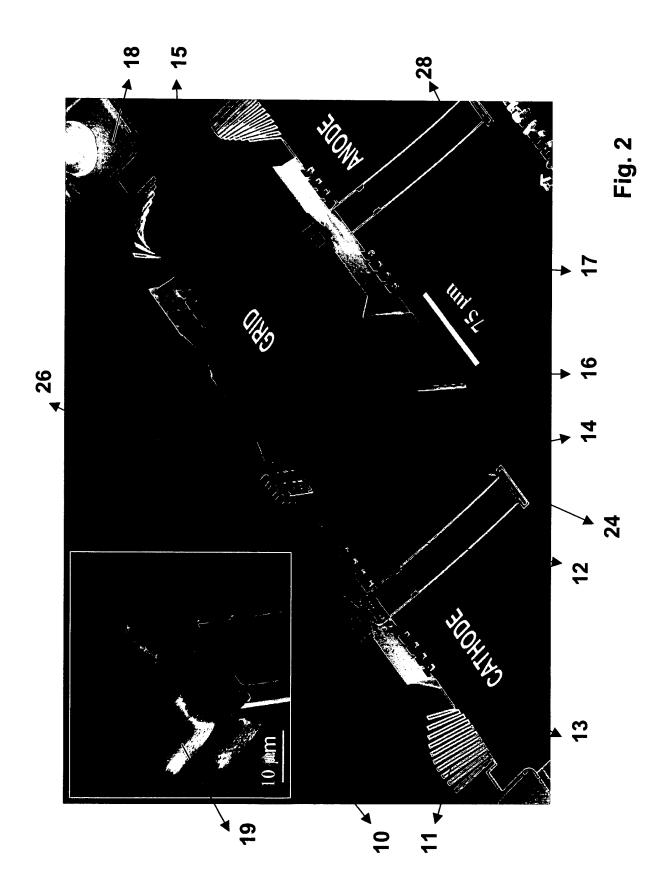


Fig. 1 (Prior Art)



Gap-Adjustable Cold Cathode MEMS Structure

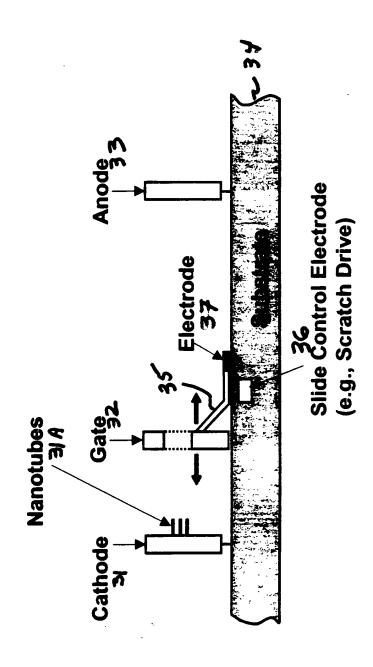


Fig. 3(a)

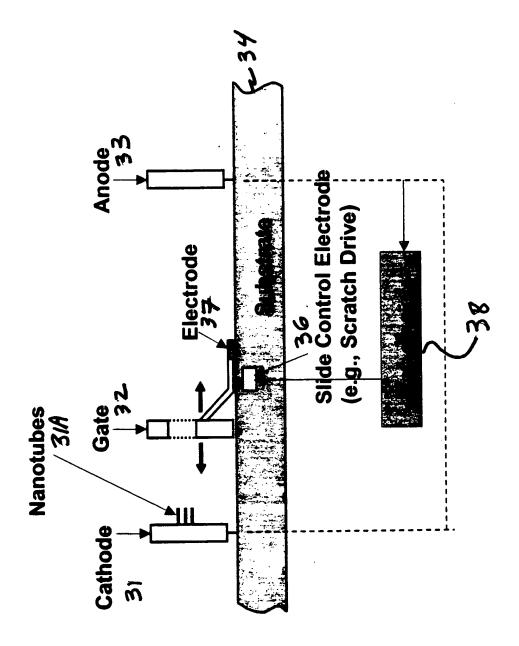
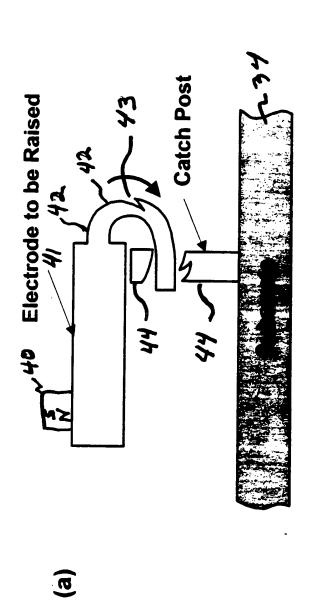


Fig.3(b)



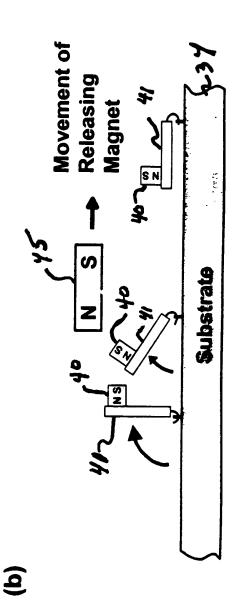


Fig. 4